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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/775,886 Confirmation No. 1418
Applicant : N. MATSUNAMI et al
Filed : February 10, 2004
Title : STORAGE DEVICE
TC/AU : 2188
Examiner : G.P. Hein
Docket No. : H-1210
Customer No.: 24956

INFORMATION DISCLOSURE STATEMENT (IDS)
UNDER § 1.97 AND § 1.98

Commissioner for Patents
Mail Stop DD
P.O. Box 1450
Alexandria, VA 22313-1450

December 28, 2005

Sir:

1. This IDS should be considered:

(a) when filed within three months of the filing date of the present application, or within three months of the filing date of the National Stage as set forth in § 1.491 in an international application, or before the mailing date of a first Office Action on the merits, whichever occurs last;

(b) when filed before the mailing date of either a Final Rejection under § 1.113 or a Notice of Allowance under § 1.311, whichever occurs first and when 1(a) does not apply. For this purpose, there is included herein either a certification in section 4 below (included when indicated by a marked box), or a fee of \$180.00 (a Credit Card Payment Form in the amount of \$180.00 is enclosed, or if not see section 5 below);

(c) when filed prior to the payment of the Issue Fee, when 1(a)-(b) do not apply, and when a certification is included in section 4 below (included when indicated by a marked box); then the Applicant(s) hereby petition(s) and request(s) consideration of this IDS, and provided herewith is a fee of \$180.00 (a Credit Card Payment Form in the amount of \$180.00 to cover the petition fee, or if not see section 5 below).

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2. When 1(a)-(c) do not apply, then it is requested that this IDS be placed in the file.

3. Listing of the information submitted is on the attached Form(s) PTO-1449, which forms a part of this IDS. A copy of each listed document is enclosed for each foreign patent, for each publication or portion thereof that caused it to be listed, and for each pending unpublished U.S. application or portion thereof that caused it to be listed. No copy of a U.S. patent or U.S. patent application publication is needed unless required by the PTO.

4. The undersigned hereby states:

☐ (a) that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application, as indicated on the copy of the communication submitted herewith, which communication was dated not more than three months prior to the filing of this IDS; or

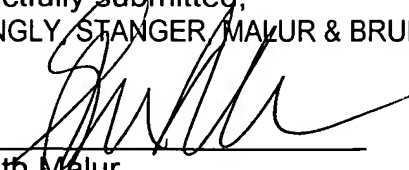
☐ (b) that no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in § 1.56(c) more than three months prior to the filing of this IDS.

5. If a fee or additional fee is required, the Commissioner is hereby authorized to charge any fee or additional fee that may be required and credit any excess to Deposit Account No. 50-1417.

6. No explanation of relevancy is being provided for the following documents because each is in the English language.

7. If the PTO determines that part(s) of the required content is inadvertently omitted, then it is requested that the Applicant(s) be given additional time and specific identification of such omission(s) to enable full compliance.

Respectfully submitted,
MATTINGLY STANGER MALUR & BRUNDIDGE, P.C.

By 
Shrinath Malur
Reg. No. 34,663
(703) 684-1120



FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. H-1210	SERIAL NO. 10/775,886
LIST OF DOCUMENTS CITED BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT N. MATSUNAMI et al	
		FILING DATE February 10, 2004	GROUP 2188

U.S. PATENT DOCUMENTS

* EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE <i>(If Appropriate)</i>
	AA	5,941,972	08/24/99	Hoese et al		
	AB	6,041,381	03/21/00	Hoese		
	AC	6,065,087	05/16/00	Keaveny et al		
	AD	6,209,023	03/27/01	Dimitroff et al		
	AE	2002/ 0062387	05/23/02	Yatziv		
	AF	6,446,141	09/03/02	Nolan et al		
	AG	2003/ 0046270	03/06/03	Leung et al		
	AH	2003/ 0061440	03/27/03	Elliott		
	AI	2003/ 0074523	04/17/03	Johnson		
	AJ	6,654,830	11/25/03	Taylor et al		
	AK	2002/ 0161855	10/31/02	Manczak et al		

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
AL WO 02/069159	09/06/02	PCT			<input type="checkbox"/>	<input type="checkbox"/>
AM					<input type="checkbox"/>	<input type="checkbox"/>
AN					<input type="checkbox"/>	<input type="checkbox"/>
AO					<input type="checkbox"/>	<input type="checkbox"/>
AP					<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, etc.)*

	AR	"Infrastructure Briefs", NETWORK WORLD, May 26, 2003, p. 19.
	AS	H. Biggar, "Disk-Based Backup Options Multiply", INFOSTOR, Vol. 6, No. 12, December 2002, pp. 1, 14, 16.
	AT	"The IFT-6200 RAID Enclosure with Fibre-to-IDE Interface: The Peace of Mind of MAID, Coupled with the Cost Effectiveness of IDE", BUSINESS WIRE, July 18, 2001, p. 628.

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.	AA	6,654,830	11/25/03	Taylor et al			
	AB	2004/ 0210724	10/21/04	Koning et al			
	AC	2004/ 0143648	07/22/04	Koning et al			
	AD	2005/ 0149528	07/07/05	Anderson et al			
	AE	6,947,940	09/20/05	Anderson et al			
	AF	2005/ 0097126	05/05/05	Cabrera et al			
	AG	2003/ 0182525	09/25/03	O'Connell et al			
	AH	2003/ 0182288	09/25/03	O'Connell et al			
	AI	6,922,761	07/26/05	O'Connell et al			
	AJ	5,537,585	07/16/96	Blickenstaff et al			
	AK	5,379,423	01/03/95	Mutoh et al			
FOREIGN PATENT DOCUMENTS							
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OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, etc.)</i>							
	AR	Infortrend Web Page printed on September 19, 2005 from web address:					
		http://www.infortrend.com/main/2_product/sata.s/asp .					
	AS	H. Schrimpf, "Migration of Processes, Files and Virtual Devices in the MDX Operating System", ACM SIGOPS OPERATING SYSTEMS REVIEW, Vol. 29, Issue 2, April 1995, pp. 70-81.					
	AT	B. Gavish et al, "Dynamic File Migration in Distributed Computer Systems", COMMUNICATIONS OF THE ACM, Vol. 33, No. 2, Feb. 1990, pp. 177-189.					
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	AA	2004/ 0162940	08/19/04	Yagisawa et al			
	AB	2005/ 0120189	06/02/05	Black			
	AC	2005/ 0149671	07/07/05	Suzuki et al			
	AD	2005/ 0172097	08/04/05	Voigt et al			
	AE	2003/ 0046270	03/06/03	Leung et al			
	AF	6,810,462	10/26/04	Matsunami et al			
	AG	2004/ 0083202	04/29/04	Mu et al			
	AH						
	AI						
	AJ						
	AK						
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	AP						<input type="checkbox"/> <input type="checkbox"/>
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, etc.)</i>							
	AR	DiskXtender 5.4 - Technical Product Overview", Product Information obtained from http://www.legato.com , dated 2003.					
	AS	"External Doc Archive: Product Documentation", printout of webpage located at http://web1.legato.com/cgi-bin/catalog?sf=Releases&level=9-13 .					
	AT	"Data Manager System Guide" from website http://web1.legato.com/cgi-bin/catalog?sf=Releases&level=9-13 , 481 pages, published January 2003.					
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	AP						<input type="checkbox"/> <input type="checkbox"/>
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, etc.)</i>							
	AR	J. Moran et al, "The Restore-o-Mounter: The File Motel Revisited",					
		PROCEEDINGS OF THE USENIX SUMMER 1993 TECHNICAL CONFERENCE, June 1993.					
	AS	B. Chronister, "OPEN/stor 2.0", WINDOWS IT PRO, December 1997, obtained					
		online at http://www.windowsitpro.com/Articles/Print.cfm?ArticleID=211 .					
	AT	"VERITAS NetBackup Storage Migrator for UNIX v4.5", VERITAS WHITE PAPER,					
		2002.					
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<small>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							

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AN						<input type="checkbox"/>	<input type="checkbox"/>
AO						<input type="checkbox"/>	<input type="checkbox"/>
AP						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AR	M. Hope, "Users Tier Storage for ILM", INFOSTOR, September 2005.
AS	
AT	

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